Exam Questions DP-900

Microsoft Azure Data Fundamentals

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NEW QUESTION 1
A bar chart showing year-to date sales by region is an example of which type of analytics?

A. descriptive
B. diagnostic
C. predictive
D. prescriptive

Answer: B

NEW QUESTION 2
To complete the sentence, select the appropriate option in the answer area.

Transcribing audio files is an example of [▼] analytics.

cognitive
descriptive
predictive
prescriptive

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Transcribing audio files is an example of [▼] analytics.

cognitive
descriptive
predictive
prescriptive

NEW QUESTION 3
You need to query a table named Products in an Azure SQL database.
Which three requirements must be met to query the table from the internet? Each correct answer presents part of the solution. (Choose three.)
NOTE: Each correct selection is worth one point.

A. You must be assigned the Reader role for the resource group that contains the database.
B. You must have SELECT access to the Products table.
C. You must have a user in the database.
D. You must be assigned the Contributor role for the resource group that contains the database.
E. Your IP address must be allowed to connect to the database.

Answer: ACE

NEW QUESTION 4
For each of the following statements. select Yes if the statement is true. Otherwise, select No. NOTE Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	○	○
Partition keys are used in Azure Cosmos DB to optimize queries.	○	○
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	○	○
Partition keys are used in Azure Cosmos DB to optimize queries.	○	○
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	○	○

NEW QUESTION 5
Match the tools to the appropriate descriptions.
To answer, drag the appropriate tool from the column on the left to its description on the right. Each tool may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Tools

| Azure Data Studio |
| Microsoft SQL Server Data Tools (SSDT) |
| Microsoft SQL Server Management Studio (SSMS) |
| Microsoft Visual Studio Code |

Answer Area

Tool	A graphical tool for managing Azure SQL databases and viewing SQL execution plans
Tool	A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL.
Tool	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files
Tool	A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Tools

| Azure Data Studio |
| Microsoft SQL Server Data Tools (SSDT) |
| Microsoft SQL Server Management Studio (SSMS) |
| Microsoft Visual Studio Code |

Answer Area

Microsoft SQL Server Data Tools (SSDT)	A graphical tool for managing Azure SQL databases and viewing SQL execution plans
Azure Data Studio	A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL.
Microsoft SQL Server Management Studio (SSMS)	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files
Microsoft Visual Studio Code	A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports

NEW QUESTION 6
To complete the sentence, select the appropriate option in the answer area.

Answer Area

Relational data uses [collections / columns / keys / partitions] to enforce relationships between different tables.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data uses [collections / columns / keys / partitions] to enforce relationships between different tables.

NEW QUESTION 7
To complete the sentence select the appropriate option in the answer area.

Answer Area

Transparent Data Encryption (TDE) encrypts [a column to protect data at rest and in transit. / queries and their results in order to protect data in transit. / the database to protect data at rest. / the server to protect data at rest.]

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Transparent Data Encryption (TDE) encrypts	a column to protect data at rest and in transit.
	Queries and their results in order to protect data in transit.
	the database to protect data at rest.
	the server to protect data at rest.

NEW QUESTION 8
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure Table storage supports multiple read replicas.	○	○
Azure Table storage supports multiple write regions.	○	○
The Azure Cosmos DB Table API supports multiple read replicas.	○	○
The Azure Cosmos DB Table API supports multiple write regions.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Azure Table storage supports multiple read replicas.	○	○
Azure Table storage supports multiple write regions.	○	○
The Azure Cosmos DB Table API supports multiple read replicas.	○	○
The Azure Cosmos DB Table API supports multiple write regions.	○	○

NEW QUESTION 9
When provisioning an Azure Cosmos DB account, which feature provides redundancy within an Azure region?

A. multi-master replication
B. Availability Zones
C. automatic failover
D. the strong consistency level

Answer: B

NEW QUESTION 10
You have an application that runs on Windows and requires across to a mapped drive. Which Azure service should you use?

A. Azure Cosmos DB
B. Azure Table storage
C. Azure Files
D. Azure Blob Storage

Answer: A

NEW QUESTION 10
When can you use an Azure Resource Manager template?

A. to automate the creation of an interdependent group of Azure resources in a repeatable way
B. to automate the creation of an interdependent and develop can deploy from the Azure portal
C. To provision Azure subscriptions and apply policies for multi-tenant deployments
D. To set complex permissions automatically on existing objects in an Azure subscription

Answer: C

NEW QUESTION 14
Match the types of data to the appropriate Azure data services.

To answer, drag the appropriate data types from the column on the left to its service on the right. Each data type may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 19
For each of the following statements, select yes if the statement is true, Otherwise, select No. Note: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 23
You have a SQL pool in Azure Synapse Analytics that is only used actively every night for eight hours. You need to minimize the cost of the SQL pool during idle times. The solution must ensure that the data remains intact.
What should you do on the SQL pool?

A. Scale down the data warehouse units (DWUs).
B. Pause the pool.
C. Create a user-defined restore point.
D. Delete the pool

Answer: B

NEW QUESTION 26
Which Azure Data Factory component provides the compute environment for activities?

A. a linked service
B. an integration runtime
C. a control flow
D. a pipeline

Answer: A

NEW QUESTION 29
You need to use Transact-SQL to query files in Azure Data Lake Storage from an Azure Synapse Analytics data warehouse.

What should you use to query the files?

A. Azure Functions
B. Microsoft SQL Server Integration Services (SSIS)
C. PolyBase
D. Azure Data Factory

Answer: C

NEW QUESTION 32
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	○	○
You need a Microsoft 365 subscription to create an Azure SQL database.	○	○
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	○	◉
You need a Microsoft 365 subscription to create an Azure SQL database.	○	◉
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	◉	○

NEW QUESTION 33
For each of the following statements, select yes if he statement is true, Otherwise select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database.	○	○
Azure Databricks can consume data from Azure Event Hubs.	○	○
Azure Databricks can consume data from Azure Cosmos DB.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database.	○	◉
Azure Databricks can consume data from Azure Event Hubs.	○	◉
Azure Databricks can consume data from Azure Cosmos DB.	◉	○

NEW QUESTION 38
Match the Azure Cosmos DB APIs to the appropriate data structures.
To answer, drag the appropriate API from the column on the left to its data structure on the right. Each API may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

APIs

| Cassandra API |
| Gremlin API |
| MongoDB API |
| Table API |

Answer Area

	Graph data
	JSON documents
	Key/value data

A. Mastered
B. Not Mastered

Answer: A

Explanation:

APIs

| Cassandra API |
| Gremlin API |
| MongoDB API |
| Table API |

Answer Area

Gremlin API	Graph data
MongoDB API	JSON documents
Table API	Key/value data

NEW QUESTION 42
Which Azure Data Factory component initiates the execution of a pipeline?

A. a control flow
B. a trigger
C. a parameter
D. an activity

Answer: B

NEW QUESTION 44
Match the types of workloads the appropriate scenario.
To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once or not at all.
NOTE: Each correct match is worth one point.

Workload Types

| Batch | Micro-batch | Streaming |

Answer Area

Workload Type	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Workload Type	Data for online purchases will be loaded to a data warehouse as the purchases occur.
Workload Type	Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Workload Types

| Batch | Micro-batch | Streaming |

Answer Area

Batch	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Streaming	Data for online purchases will be loaded to a data warehouse as the purchases occur.
Micro-batch	Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

NEW QUESTION 49
What should you use to build a Microsoft Power BI paginated report?

A. Power BI report Builder
B. Power BI Desktop
C. Charticulator
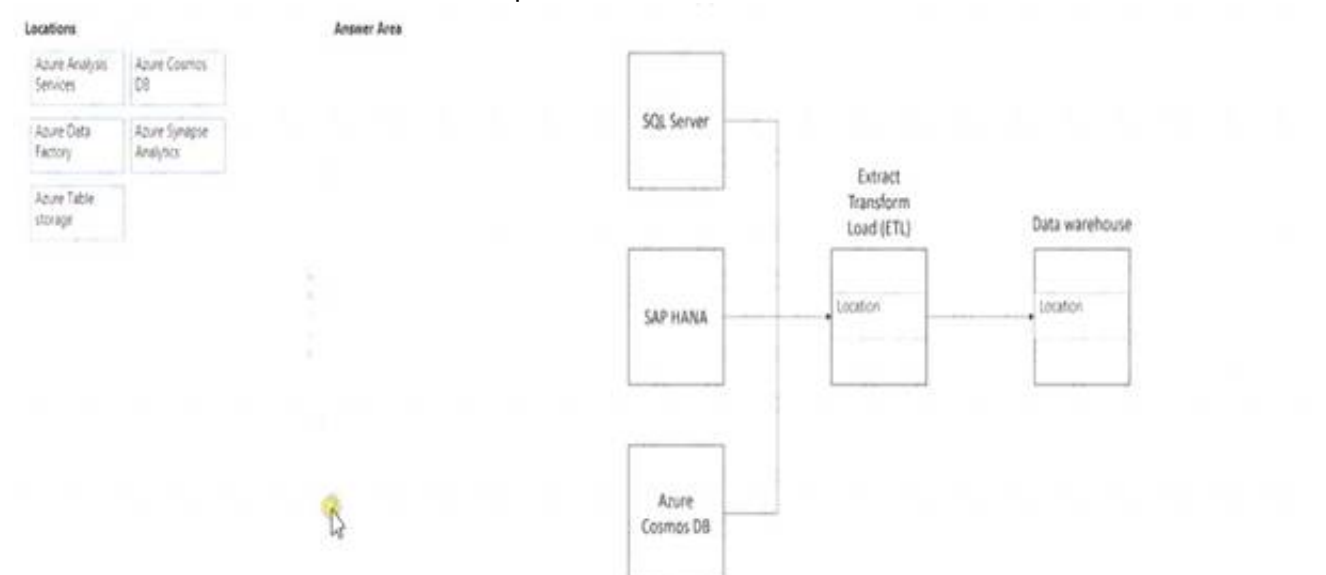
D. the Power BI service

Answer: B

NEW QUESTION 53
Match the Azure services to the appropriate locations in the architecture.
To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.
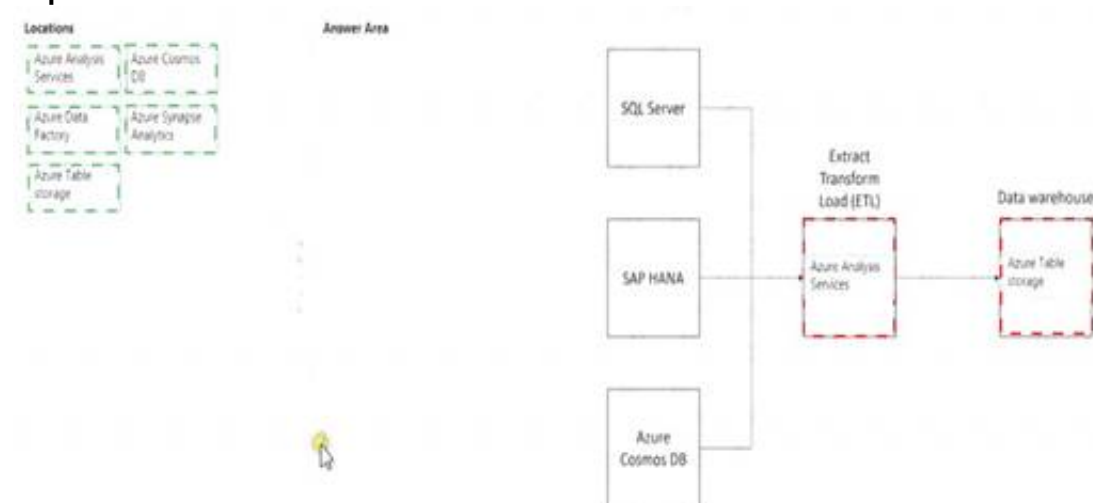NOTE: Each correct match is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 56
You manage an application that stores data in a shared folder on a Windows server.
You need to move the shared folder to Azure Storage. Which type of Azure Storage should you use?

A. queue
B. blob
C. file
D. table

Answer: B

NEW QUESTION 60
You have a SQL query that combines customer data and order data. The query includes calculated columns. You need to persist the SQL query so that other users can use the query. What should you create?

A. a table
B. an index
C. scalar function
D. a view

Answer: B

NEW QUESTION 62
Your company is designing a data store that will contain student data. The data has the following format.

StudentNumber	StudentInformation
7634634	First name: Ben Last: Smith Preferred Name: Benjamin
7634634	First Name: Dominik Last Name: Paiha Email Address: dpaiha@contoso.com MCP ID: 931817
7634636	First Name: Reshma Last Name: Patel Phone number: 514-555-1101
7634637	First Name: Yun-Feng Last Name: Peng

Which type of data store should you use?

A. graph
B. key/value
C. object
D. columnar

Answer: D

NEW QUESTION 67
Your company if designing an application that will write a high volume of JSON data and will have an application-defined schema.
Which type of data store should you use?

A. key/value
B. document
C. graph
D. columnar

Answer: A

NEW QUESTION 71
You have an inventory management database that contains the following table.

ProductName	Quantity
Product1	100
Product2	129
Product3	176

Which statement should you use in a SQL query to change the inventory quantity of Product1 to 270?

A. INSERT
B. MERGE
C. UPDATE
D. CREATE

Answer: C

NEW QUESTION 73
A team of developers has computers Thai run Windows 10 and Ubuntu Desktop.
The developers need to connect to and query an Azure SCX database from the computers. The developers require code assistance features such as intellSense.
What should the developers use ?

A. Azure Data Studio
B. sq1cmd
C. Microsoft SQL Server Management Studio (SSMS)
D. Azure Data Explorer

Answer: B

NEW QUESTION 75
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